PROFESSIONAL EXPERIENCE

AGL Resources

(April 1985 to present)

Distribution Engineer, Atlanta and Marietta Service Centers Apr 1985 to Dec 1987

Provided distribution engineering services for the above listed Service Centers. Duties included engineering in the following areas:

Meter Set Design
 New Business
 System Improvements
 DOT relocations
 System Replacements
 Field Inspections
 Materials Specifications
 Equipment evaluation

In addition, spent 3 months during this period as a Construction Coordinator (Daily oversight of contractor construction crews)

Staff Engineer, Planning & Design (Corporate Engineering) Dec 1987 to Aug 1988

Responsible for Corporate review of all engineering designs and proposals for Atlanta and Augusta Divisions of the Company. Company's system capacity planning (STONER modeling) specialist for the Company at that time, doing computer based system modeling to determine the need for future system enhancements including Company's 10 year plan.

Division Engineer, Atlanta Division

Aug 1988 to Feb 1995

Technical Liaison for Division Vice President and 10 Service Centers (1170+ employees) in the Metro Atlanta area in support of 650,000 customers. Assigned Duties included:

- 1. Technical review of all Division Capital Improvement Requisitions (IRs)
- 2. Operations liaison out to 9 Service Centers and up to Corporate Engineering
- 3. Internal Operations audits for 9 service centers (Regulatory Compliance)
- 4. Dotted line technical oversight local engineers at svc centers
- 5. Atlanta Division budgeting (\$44M/yr O&M and \$32M/yr Capital budgets)
- 6. Contractor Locating program development, contracts and performance

- Chaired team that developed Company CO Procedures (still in use)
- Chaired FLAME sub-team for reorganization under ACE
- Lead expansion of Contractor Locating at AGLC from pilot program to Blanket usage in Metro Atlanta Area.

Manager, Metro Region Operations & Engineering

Feb 1995 to Nov 1998

Responsible for the directing the activities of 75 employees who provided a variety of Engineering and Operations Services in support of 9 Service Centers in the Metro Atlanta area and 950,000 customers. (Annual Budget \$2.4M - O & M, \$40M+ Construction Budget).

- 1. Engineering Design
- 2. Contractor Locating & Contracts
- 3. System Replacements (PRP)
- 4. 24 hr Central Dispatching
- 5. Construction Contracts

- 6. DOT/Marta Relocation Work
- 7. Pressure Improvements
- 8. Corrosion Control
- 9. Safety & Operations Training
- 10.New Customer Support

Significant Accomplishments

- Centralized organization created completely from scratch
- First Centralized Dispatch Center built from scratch
- Developed PRP replacement strategy (Worst First)
- Processed 2100+ AFEs annually (811/911/Renewals/Press. Imp.)
- Increased productivity while reducing staff
- Project Manager AGLC's first Automated Dispatch project
- East Beltline Extension 24" Bore Chattahoochee River

Manager, Engineering Support Services

Nov 1998 to Aug 1999

Responsible for directing the activities of 47 employees who provide a variety of Engineering and Operations Services in support of the Company's 39 local Service Centers and 1,450,000 customers at its two utilities (Atlanta Gas Light Company & Chattanooga Gas Company). (Annual Budget - \$3.8M – O & M)

- 1. Right-of-Way Acquisition
- 2. Leak Surveys & Contracts
- 3. Corrosion Control
- 4. Right-of-Way Maintenance
- 5. Communications Support

- 6. Materials Specifications
- 7. Operations Procedures (OPM)
- 8. Capacity Planning (STONER)
- 9. LNG Engineering Support
- 10. State & Federal Regulations

- Transfer of Dispatch to Riverdale from Caroline Street
- First Electronic ROW records system
- Rebuild Propane/Air peaking facility Valdosta
- First ever statewide ROW mowing program (10 yr)
- EFV Mandate and implementation

Director, Engineering Compliance

Aug 1999 to Sept 2000

Responsible for directing the activities of 54 employees. Same responsibilities as previous position Manager, Engineering Support Services with the following additions (Annual Budget \$ 4.5M – O & M):

- 1. Codes & Standards
- 2. Research & Development
- 3. Lab Operations

- 4. Corporate Safety
- 5. Operations Training

Significant Accomplishments

- Add PSC enforcement to GA One Call statute
- Merged Safety and Operations Training-3 groups to 1
- Shut down R & D/Lab Operations
- Take over PRP/PSC Financial Auditing
- Develop Compliance Tracking System (CTS) (Still in use)
- 25% reduction in Corporate Accident rate

Chief Engineer & Director, Regulatory Compliance

Sept 2000 to June 2002

Responsible for directing the activities of 14 employees in support of all three AGL Resources Operating subsidiaries (Atlanta Gas Light Co., Chattanooga Gas Co. & Virginia Natural Gas) 1,800,000 Customers (Annual Budget \$4.5M – O & M):

- 1. Regulatory Liaison (GA, TN, VA)
- 2. Compliance with Federal Regulations
- 3. Operations Procedures (Manuals)
- 4. Internal Operations Audits
- 5. Corrosion System Engineering
- 6. Corporate Safety
- 7. Operations Training Development
- 8. Environmental Procedures
- 9. Leak Surveys/ROW Operations

- Developed Company's first generation leak survey tracking system SALT
- Splashguard program (Frozen Regulators at no cost)
- Developed Company's OQ Program
- Merged AGL/VNG OPMs & Created Construction Manual
- Implemented CPDM Company's current Corrosion platform
- Lost & Unaccounted Gas Std/Leak Response Standard -GA
- Centralized ROW mowing, Leak Survey, Bridge Maint. & River inspections administration for (VA/GA/TN)

Director, Regulatory Compliance

June 2002 to Dec 2004

Responsible for directing the activities of 27 employees in support of all three AGLC Resources Operating subsidiaries (Atlanta Gas Light Co., Chattanooga Gas Co. & Virginia Natural Gas) 1,900,000 customers. (Annual Budget \$21M - O & M).

Same responsibilities as previous Chief Engineer position with the addition of:

1. Damage Prevention enforcement

2. Facilities Locating

Significant Accomplishments

- Developed Company's Transmission Integrity Management Plan (TRIMP)
- Initial OQ qualification of all Company employees and contractors (65,000+)
- PRP Accounting Correction (\$2.4M recovery back +\$1.2M annually forward)
- Removal of PRP leaking segment requirement (\$20M-\$30M Capital savings)
- Negotiated Delayed Match process for GA and now in use in NJ/FL also
- Developed CTS/OQ Software tracking system (still in use)
- Reduction in total excavation damages 16+%
- Reduction in AGL at fault (Locator) damage rate 34+%
- CTS/AD order matching (Paint Meter/Grade III leaks 8K+ orders/yr)

Director, Regulatory Compliance

Jan 2005 to present

Responsible for external regulatory compliance for the corporation in the seven states in which it now operates (GA,TN,VA,NJ.FL,MD,LA) (9 employees) and working jointly with Engineering, Field Ops, and Safety & Training on ensuring internal regulatory compliance. Work with Federal, State and local officials plus national trade organizations on an ongoing basis. This includes State pipeline safety groups, State DOTs, PHMSA (Regional and in DC) and local code enforcement groups. (Annual Budget \$1.3M - O & M).

- Access to the Envelope Rule (Marketer's envelopes GA)
- Countywide Safety Plan Rule (GA-municipal infringement)
- GA Territorial infringement: (Buford, Monroe, Cartersville, Winder, Toccoa, LaGrange)
- Negotiated PRP extension from 10 year to 15 year program
- Developed Company's Public Education (RP 1162) Program
- Lead Vertical Main development team
- Member of team that helped write & shape DOT's DIMP rule
- Member of team that wrote GPTC DIMP Guidance
- SB 19 Make GDOT utility reimbursement allowable

Additional Information:

Professional Engineer (17 yrs) - State of Georgia (March 1992, PE # 19848)
Two AGL - Flamekeeper Awards (Pipeline Repl. Program and Vertical Mains)
Chair - Georgia Utility Coord. Council (GUCC) - Legislative Affairs committee (15 yrs)
Past Chair/Board Member - Utilities Protection Center of GA (One Call Ctr.) (22 yrs)
Past Chair - American Gas Assoc. (AGA) Cust. Service & Utilization Committee (10 yrs)
Member AGA Operations & Safety Regulatory Action Committee (OSRAC) (11 yrs)
Member AGA Distribution and Transmission Engineering Committee (11 yrs)
Member AGA Best Practices Benchmarking Steering Committee (11 yrs)
Winner of AGA's first ever "Trailblazer" Award for contributions to the industry – 2006
Winner of AGA Bronze (1996) and Silver (2006) Awards of Merit
Atlanta United Way Loaned Executive of the Year Finalist – 1987
Past Chair/member - Pipeliners of Atlanta (23 years)

Education:

Bachelor of Civil Engineering Georgia Institute of Technology Atlanta, Georgia (Graduated - December 1984)

Military: United States Naval Reserve (active)

August 1981 to August 1983 Petty Officer 2nd Class (frocked) – Honorably Discharged